

Stated Meeting, November 18.

Present, ten members.

JUDGE KANE, Vice-President, in the Chair.

Letters were read:—

From the Etat Major of the Corps of Mining Engineers of Russia, dated St. Petersburg, May, 1853; from the Royal Saxon Society of Sciences, dated Leipsic, 23d May, 1853; from the Royal Bavarian Academy of Sciences, dated Munich, 4th June, 1853; from the Imperial Academy of Sciences at Vienna, dated 29th June and 24th August, 1853; and from the Royal Prussian Academy of Sciences, dated Berlin, 15th Sept. 1853,—respectively accompanying donations for the Library:—

From W. Haidinger, dated Vienna, 11th June, 1853, in relation to a future correspondence of the Imperial Geological Institute of Austria with this Society; and from the same, on behalf of the Direction of the Imperial Geological Institute, dated Vienna, 21st August, 1853, accompanying a donation for the Library of the Society:—

From the Royal Academy of Sciences at Berlin, dated 15th August, 1853, returning thanks for Vol. X. Part 2, of the Society's Transactions:—

From the Royal Danish Society of Sciences, dated Copenhagen, 7th July, 1853, acknowledging the receipt of Nos. 43 to 47 of the Proceedings: and—

From the Historical Society of Pennsylvania, dated Philadelphia, Nov. 15, 1853, and from the Trustees of the State Library of New York, dated Albany, Nov. 4, 1853, communicating their thanks for No. 49 of the Proceedings.

The following donations were announced:—

FOR THE LIBRARY.

Naturwissenschaftliche Abhandlungen; gesammelt und durch subscription herausgegeben von Wilhelm Haidinger. Band I. II. III. IV. Wien, 1847-1851. 4to.—*From the Imperial Geological Institute, Vienna, per W. Haidinger.*

- Berichte über die Mittheilungen von Freunden der Naturwissenschaften in Wien; gesammelt und herausgegeben von W. Haidinger. Band I.-VII. 1846-1851. Wien. 8vo.—*From the same.*
- Abhandlungen der Kaiserlich-Königlichen Geologischen Reichsanstalt. Band I. Wien. 1852. 4to.—*From the same.*
- Jahrbuch der K. K. Geologischen Reichsanstalt. I. Jahrgang, 1850.—II. 1851.—III. 1852.—IV. 1853. No. 1. Wien. 8vo.—*From the same.*
- Abhandlungen der Mathematisch-Physischen Classe der Königlich Sächsischen Gesellschaft der Wissenschaften. Band I. Leipzig, 1852. 4to.—*From the Royal Saxon Society of Sciences, Leipzig.*
- Berichte über die Verhandlungen der Königl. Sächsischen Gesellschaft der Wissenschaften zu Leipzig. Math. Phys. Classe, 1849, 1850, 1851, 1852 and 1853, No. 1. Leipzig. 8vo.—*From the same.*
- Ueber Musikalische Tonbestimmung und Temperatur: von M. W. Drobisch.
- Beiträge zur Kenntniss der Gefässkryptogamen: von W. Hofmeister.
- Entwicklung des Products einer Potenz des Radius Vectors mit dem Sinus oder Co-sinus eines vielfachen der wahren Anomalie in Reihen &c. von P. A. Hanson. (Abhandl. der K. Sächs. Gesell. der Wissen. IV.)—*From the same.*
- Annales de l'Observatoire Physique Central de Russie: Publiées par ordre de Sa Majesté l'Empereur Nicolas I. sous les auspices de S. Exc. M. de Brock, Secrétaire d'Etat, &c. Par A. T. Kupffer, Directeur de l'Observatoire Physique Central. Année 1850, Nos. 1, 2.—Compte Rendu Annuel du Directeur de l'Observatoire Physique Central pour l'Année 1852. St. Petersbourg. 4to.—*From the Administration of Mines, of Russia.*
- Abhandlungen der Math. Phys. Classe der Königl. Bayerischen Akademie der Wissenschaften. Band VII. Abth. 1. München, 1853. 4to.—*From the Royal Bavarian Academy of Sciences.*
- Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften zu Wien:—Phil. Hist. Classe. Band IX. 4 Hefte, 1852:—Math. Nat. Classe, Band X. 4 und 5 Hefte, Apr. May, 1853. Wien. 8vo.—*From the Imperial Academy of Sciences, Vienna.*
- Abhandlungen der Königl. Akademie der Wissenschaften zu Berlin, aus dem Jahre, 1852. Berlin. 4to.—*From the Royal Academy of Sciences, Berlin.*
- Monatsbericht der Königl. Preuss. Akademie der Wissenschaften zu

Berlin. Nov. Dec. 1852. Jan. July, 1853. Berlin. 8vo.—
From the same.

Oversigt over det Kgl. Danske Videnskabernes Selskabs Forhandlinger og dets Medlemmers Arbejder i Aaret, 1852. Kiøbenhavn. 8vo.—*From the Royal Danish Society of Sciences.*

Proceedings of the New Jersey Historical Society. Vol. VII. No. 1, 1853. Newark. 8vo.—*From the Society.*

Journal of the Franklin Institute. 3d Series. Vol. XXVI. No. 5. Nov. 1853. Philadelphia. 8vo.—*From the Institute.*

The American Journal of Science and Arts. 2d Series. Vol. XVI. No. 48. Nov. 1853. New Haven. 8vo.—*From Professors Silliman & Dana, Editors.*

A Reply to the Strictures of Lord Mahon and others, on the mode of editing the Writings of Washington. By Jared Sparks, 1852.—Letter to Lord Mahon, being an Answer to his Letter addressed to the Editor of Washington's Writings. By Jared Sparks, 1852.—Remarks on a "Reprint of the Original Letters from Washington to Joseph Read during the American Revolution, referred to in the Pamphlets of Lord Mahon and Mr. Sparks." By Jared Sparks, 1853. Boston. 8vo.—*From the Author.*

The Medical Examiner. New Series. Vol. IX. No. 11. Nov. 1853. Philadelphia. 8vo.—*From Drs. Smith & Biddle, Editors.*

The Medical News and Library. Vol. XI. No. 121. Nov. 1853. Philadelphia. 8vo.—*From Blanchard & Lea.*

The Plough, the Loom and the Anvil. Vol. VI. No. 5. Nov. 1853. New York. 8vo.—*From the Editors.*

On motion of Mr. Trego, the Royal Saxon Society of Sciences of Leipsic, and the Imperial Geological Institute at Vienna, were directed to be placed on the list of correspondents of this Society, and to receive the Transactions.

Mr. Justice laid before the Society a magnified crystalotype image of the moon, by John A. Whipple, of Boston.

This crystalotype is much larger than the one formerly exhibited to the Society; that being only 5 inches, whilst this is $8\frac{1}{2}$ inches in diameter. The first attempt of Mr. Whipple to produce a daguerreotype of the moon was made with a reflecting telescope of 5 feet focus and 7 inch mirror; but the image produced was only five-eighths of

an inch in size, and not satisfactory, as there was no clock-work to regulate the motion of the telescope. The present picture is magnified from a daguerreotype of three inches, taken through the object-glass of the large Cambridge Refractor, by displacing the eye-piece and placing the plate in the focus of the object-glass.

In consequence of the clock-movement of the telescope, not exactly coinciding with the motion of the earth, there is an indistinctness of the lines, which, through the telescope, would be perfectly sharp. This indistinctness, though slight, Mr. Whipple hopes to remedy by an adjustment applied to the clock-motion, invented by Professor Bond, which will enable him, he supposes, to produce as perfect a daguerreotype, of ten or more inches in diameter, as he now has of three inches. From such a plate a crystalotype may be magnified to four feet in diameter.

The enlarged picture, now before the Society, exhibits the radiations extending through *Mare Serenitatis* very beautifully, whilst those issuing from around *Tycho* are also very distinct. In the picture formerly exhibited these were but faintly delineated.

The proceedings of the Board of Officers and Council of the Society, at their late meeting, were read.

A proposed amendment to the Laws of the Society, recommended by the Officers and Council,—to wit: Add to Chapter VII. of the Laws, as Article 7, the following: “The ex-Presidents of the Society shall be members of the Board of Officers and Council:”—which was read and laid over for consideration at next meeting.

The Treasurer read the following letter, addressed to him by the President of the Society:

November 18, 1853.

Dear Sir,—I send you, enclosed, a check for five hundred dollars, which I beg you to present, in my name, to the Society, as a contribution towards the expense of preparing and printing a correct catalogue of the library, and of enlarging the accommodations for the books.

Very respectfully and truly yours,

FRANKLIN BACHE.

To CHARLES B. TREGO, Esq
Treas. Am. Phil. Society.

Whereupon, on motion of Dr. Elwyn, it was
Resolved, That the thanks of the Society be presented to
 its President, for his very generous donation towards a better
 arrangement and accommodation of the Library.

Stated Meeting, December 2.

Present, twenty members.

Dr. DUNGLISON, Vice-President, in the Chair.

A letter was read from the Secretary of l'Ecole des Mines,
 dated Paris, 13th July, 1853, accompanying a donation to the
 Society.

The following donations were announced:—

FOR THE LIBRARY.

- Philosophical Transactions of the Royal Society of London, for the
 year 1852. Vol. 143. Parts 1, 2. London. 4to.—*From the
 Society.*
- Astronomical and Magnetical and Meteorological Observations, made
 at the Royal Observatory, Greenwich, in the year 1851, under
 the direction of George Biddell Airy, Esq. M.A. Astronomer
 Royal. London, 1853. 4to.—*From the same.*
- Observations made at the Magnetical and Meteorological Observatory
 at Toronto in Canada. Printed by order of her Majesty's Go-
 vernment, under the superintendence of Col. Edward Sabine, of
 the Royal Artillery. Vol. II. 1843, 1844, 1845: with Abstracts
 of the Observations to 1848, and, in some cases, to 1852, inclu-
 sive. London, 1853. 4to.—*From the British Government.*
- Memoirs of the Royal Astronomical Society. Vol. XXI. Parts 1 and
 2. London, 1852. 4to.—*From the Society.*
- Monthly Notices of the Royal Astronomical Society, containing Pa-
 pers and Abstracts of Papers, and Reports of Proceedings of the
 Society, from Nov. 1851, to June, 1852. Vol. XII. London.
 8vo.—*From the same.*
- On the Impregnation of the Ovum in the Amphibia. (Second Series
 revised). And on the Direct Agency of the Spermatozoon. By
 George Newport, F.R.S. F.L.S. &c. (Phil. Trans. Lond. 1853).
 4to.—*From the Author.*